

Shopping List					Total:
					199.31
QTY	SKU	DESCRIPTION	URL	PRICE	Subtotal
1	B089CQ2N69	Fermerry 22AWG Stranded Wire, 6 colors, 5 ft	https://www.amazon.com/dp/B089CQ2N69/	10.69	10.69
1	B09BDX69VX	Glarks 190Pcs 2.54mm Male and Female Pin Header kit	https://www.amazon.com/dp/B09BDX69VX/	19.99	19.99
1	B09BJN68C2	LUOYIMAO USB Type A Female Socket Breakout Board	https://www.amazon.com/dp/B09BJN68C2/	9.99	9.99
1	B00M56M2UI	Neutrik NC3FP-1 Full Size 3-Pin F PNL MT XLR	https://www.amazon.com/dp/B00M56M2UI/	4.95	4.95
1	B07D4BK8W4	Antrader 5.5mm x 2.1mm Female DC Power Jack	https://www.amazon.com/dp/B07D4BK8W4/	6.99	6.99
1	B08BNDL6DS	EEEEEE 61 Values 1% 0.25w Resistor Book kit, 1Q-10MQ	https://www.amazon.com/dp/B08BNDL6DS/	13.99	13.99
1	B07Q86ZJ4Z	GTIWUNG 480Pcs JST XH 2.54mm Connector Kit	https://www.amazon.com/dp/B07Q86ZJ4Z/	10.99	10.99
1	B01AZLA9XQ	DC12V 12v 2A Power Supply Adapter	https://www.amazon.com/dp/B01AZLA9XQ/	6.99	6.99
1	B00J0ECR5I	HATCHBOX PLA 3D Printer Filament 1kg Roll	https://www.amazon.com/dp/B00J0ECR5I/	22.99	22.99
1	B07R78KNMC	uxcell Single-Sided FR4 PCB Blanks	https://www.amazon.com/dp/B07R78KNMC/	16.59	16.59
1	B07M914GKR	Hilitchi 240-Pcs 24 Values Black Electrolytic Capacitors	https://www.amazon.com/dp/B07M914GKR/	11.99	11.99
1	889-1820-ND	1/4" Barrel Audio Connector	https://www.digikey.com/short/52dnd844	1.43	1.43
1	LM675T-ND	LM675T Op Amp	https://www.digikey.com/short/5q9d9mv3	7.11	7.11
1	2368-NTE891M-ND	NTE891M Op Amp	https://www.digikey.com/short/438qz7mt	3.22	3.22
1	2197-31VJ501-F3-ND	31VJ501-F3 Logarithmic Rotary Potentiometer	https://www.digikey.com/short/tw4j3bpb	4.58	4.58
1	HM3340-ND	1537N 500 uH inductor	https://www.digikey.com/short/pvftv3b7	6.22	6.22
1	TEENSY41	Teensy 4.1 Microcontroller	https://www.pjrc.com/store/teensy41.html	26.85	26.85
1	TEENSY4_AUDIO	Teensy 4.1 Audio Adaptor	https://www.pjrc.com/store/teensy3_audio.html	13.75	13.75

PCB BOM			
QTY	TYPE OF COMPONENT	VALUE OF COMPONENT	SYMBOLS
1	TEENSY 4.1	n/a	TEENSY 4.1
1	TEENSY Audio Shield	n/a	TEENSY 4.1
3	Capacitor	0.1μF	C3, C4, C5
1	Capacitor	0.22μF	C6
2	Capacitor	100μF	C1, C2
5	Resistor	10kΩ	R3, R4, R5, R6, R7
1	Resistor	100Ω	R8
1	Resistor	33kΩ	R1
1	Resistor	47kΩ	R2
1	JST XH 2.54 Male and Female	5 Pin	USB_HOST
3	JST XH 2.54 Male and Female	2 Pin	UNBAL_OUT, SUPPLY, POT
1	JST XH 2.54 Male and Female	3 Pin	INPUT
1	NTE891 OpAmp	n/a	IC2
1	LM675T OpAmp	n/a	IC1
1	XLR Jack	n/a	INPUT
1	DC Socket 5.5mm x 2.1mm	n/a	SUPPLY
1	1/4" Barrel Audio Connector	n/a	Audio Shield Line Out
1	USB Host Port Breakout Board	n/a	USB_HOST
2	24 Pin Male to Female Header	n/a	TEENSY 4.1
1	Inductor	500μH	L1
1	Potentiometer	100kΩ Logarithmic	POT

PLEASE NOTE: ALL URL'S WERE TESTED FUNCTIONAL AT THE TIME OF COMPILING THIS BOM. HOWEVER, DIGIKEY LINKS MAY NOT WORK. THIS IS A RESULT OF A FAULTY SHORTENED URL GENERATOR THAT (A. GENERATES A DIFFERENT SHORTENED URL EACH TIME THE SHARE ICON IS PRESSED, AS WELL AS (B. LEADS TO SOME LINKS BECOMING INVALID. IF THIS HAPPENS, SIMPLY SEARCH THE SKU ON DIGIKEY.COM.